

22358

Z/023/61/000/001/003/006

A207/A126

X

On the nature and origin of the...

an idealized amplitude curve was obtained. In these curves, storms and rapid variations were omitted and the general features of the progression of the amplitudes preserved. This method permitted the comparison of the microseismic activity for various periods of activity and different stations. For test purposes, an "index" was introduced to express the correlation between microseisms and the circulation at the isobar level of 500 millibars. The relation between the locations of the centers of the lows and the amplitudes of the microseisms during the individual periods of activity was also followed. It was found 1) that in Europe microseisms are influenced mainly by cyclonic activity in the Eastern portion of the frontal zone between North America and the Western coast of Europe. The periods last from 3 to 9 seconds, and the amplitudes diminish usually toward the South and the East. No rule for the decrease of the amplitudes due to the distance could be established; 2) there is a general parallelism for the microseismic storms as well as for the periods of activity, which is observed on the continental scale. Certain regions have critical positions as for cyclonic centers: Iceland, and the coast (mainly the Northern coast) of Norway for Central Europe, the zone adjoining the Norwegian coast for Scandinavia and

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the Russian plain. This observation is in agreement with the results obtained by Gutenberg, Båth and Monakhov. It was not possible to study exactly the tectonic relations indicated by Gutenberg. 3) The parallelism of microseisms of continental dimensions must be attributed to sources of the "first order", which considerable geometrical dimensions of the water masses participating in the origination of the microseisms. The individual differences which become apparent on the regional scale, were attributed to sources of the "second order" with smaller dimensions (secondary barometric lows, winds, passage of cold fronts from sea to land) which occur more in the coastal areas. European microseisms are produced by the barometric effect as well as by coastal effects, mainly the "surf effect". This result is a generalisation of the result obtained by Båth for Scandinavia. 4) Generally, the periods vary with the amplitudes. The shorter periods originating from relatively near sources are absorbed with increasing distance; they cannot be observed in the interior of the continent. Gutenberg's formula (Ref. 14: B. Gutenberg: Observations and theory of microseisms. Compendium of Meteorology, 1951, 1303, Boston) expressing the increase of the periods with the distance was not confirmed. The observed periods are generally shorter than the calculated ones. 5) It seems justified to say that

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On the nature and origin of the...

regions where there is a very close statistical relation between cyclonic activity and microseismic activity are regions, where microseisms are caused by cyclonic activity. These regions may vary from one station to the next. For Central Europe, the maps seem to indicate preferred depths of 1,000 to 3,000 m. 6) The analogy of the adjusted curves of amplitudes with the adjusted curve of the "indices" giving the circulation suggests that, on principle, it should be possible to study circulation by way of the microseisms. The applicability of the method must be subjected yet to a more profound investigation. If the result is positive, one will have an objective method of considerable importance for climatological investigations. 7) The Longuet-Higgins theory appears to be the most plausible to explain the origin of microseisms in connection with the activity in the center of the cyclone and near the coast-line. This theory further concedes the production of microseisms directly by the "surf effect". Certain phenomena, such as the passivity of stationary cyclones and the variation of the periods with the amplitudes underline the importance of this theory. On the other hand, it is probable that the real conditions correspond better to the theory of Press and Ewing in cases where the periods remain constant in

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increasing amplitudes. An analysis of a large number of cases shows that it would be very difficult to establish a universal theory. There are 4 figures and 18 references: 2 Soviet-bloc and 16 non-Soviet-bloc. The reference to the most recent English-language publication reads as follows: M. Båth: Comparison of Microseisms in Greenland, Iceland and Scandinavia. Tellus, 5, 1953, 109.

ASSOCIATION: Charles University, Prague

SUBMITTED: October 3, 1960

Card 5/5

X

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATOPLYAYEV, N.A.; KOKOURCV, G.D.

Impeller for a mechanical flotation machine. Gor. zhur.
no. 8:77 Ag '64. (MIRA 17:10)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

KLYACHIN, V.V., inzh.; KHOPANEV, S.I., kand. tekhn. nauk; ZATOPLYAYEV,
N.A., inzh.

Design of hydrocyclones for the preparation of kaolins and clays.
Stek. i ker. 22 no.1:27-30 Ja '65. (MIRA 18:7)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut
obogashcheniya i mekhanicheskoy obrabotki poleznykh iskopayemykh.

ZATOPLYAYEV, V.A.; TUROV, V.D.; ARSEN'YEV, V.V.

Preparation of unclassified coal: Jigging unclassified coal
at the "Verkhne-Duvanskaya" Central Preparation Plant. Ugol'
39 no 6:17-19 Ja'64
(MIRA 17:7)

1. Verkhne-Duvanskaya tsentral'naya obogatitel'naya fabrika
(for Zatoplyayev, Turov). 2. Gipromashugleobogashcheniye (for
Arsen'yev).

ZATORSKI, Jerzy, inz.

Polish exposition at the 1961 Exhibition of the International Measurements Conference (IMEKO) in Budapest. Pomiar 8 no.1:15-16 Ja '62.

ZATOV, A.A., agronom; IVANOVA, E.A., agronom-ekonomist

Maintain a high productivity of seeded pastures in the forest-meadow zone. Zhivotnovodstvo 23 no.5:50-52 My '61.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov imeni V.R.Vil'yamsa. (MIRA 16:2)
(Pastures and meadows)

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

2. Electrical properties of highly degenerate crystals of n- and p-type gallium arsenide. O. V. Yemel'yanenko, F. P. Kesamanly, D. N. Nasledov, V. G. Sidorov, G. N. Talalakin.

Concerning the interaction of electrons with lattice vibrations in gallium arsenide. O. V. Yemel'yanenko, T. S. Lagunova, D. N. Nasledov, V. Ye. Shcherbatov.

Electrical properties of gallium arsenide with different impurities. D. N. Nasledov, G. N. Talalakin.

Investigation of the properties of impurity zones in crystals of p-type gallium arsenide. O. V. Yemel'yanenko, T. S. Lagunova, D. N. Nasledov, V. Ye. Shcherbatov.

Galvanomagnetic properties of indium arsenide in a wide temperature range. Yu. M. Surdukov, I. V. Zatseva, T. S. Lagunova, D. N. Nasledov.

Nernst effect in n-type indium arsenide. O. V. Yemel'yanenko, F. P. Kesamanly, E. S. Klotzin.
(Presented by O. V. Yemel'yanenko - see above).

ZATOVIC, M.

"Improving technical-economic indexes in electric-power plants."

ENERGETIKA, Praha, Czechoslovakia, Vol. 5, no. 3, March 1955

Monthly List of East European Accessions Index (EEAI), Library of Congress,
Vol. 8, No. 8, August 1959

Unclassified

ZATOVIC, Tibor; KOZINKA, Anton

Cutoff knuckle breaker. Elektrotechnik 18 no.10:297-298 O
'63.

1. Tovarny na obrabeci stroje, n.p., Trencin.

ZATOVSKIY, N. V.

32494. Sushka girogenaratora poteryami v rotore. "Elektr. stanstii, 1949, No. 10,
s. 51-52.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATOVSKY, N. V.

"Drying a Hydrogenerator by Losses in the Rotor," Elek. Stan., No. 10, 1949. Engr.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

ZATRAVKIN, S.

Best suggestions on minor mechanization. Avt.transp. 40 no.2:
54-55 F '62. (MIRA 15:2)
(Transportation, Automotive)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATRAVKIN, S., inzh.

New regulations on inventions and efficiency suggestions.
Avt. transp. 37 no. 7:57 Jl '59. (MIRA 12:10)
(Suggestion systems)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATRAVKIN, S., inshener.

Self-unloading truck with belt conveyor. Muk.-elev.prom. 20 no.7:
29-30 J1 '54. (MLRA 7:8)

1. Soyussagotrane.
(Motor trucks)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

ZATRAVKIN, S.M.

Enterprises with best results in inventing and efficiency promotion. Avt.transp. 37 no.4:54 Ap '59. (MIRA 12:6)
(Efficiency, Industrial) (Inventions)

ZATRAVKIN, V. A., GOSTEVA, V. V.

Peat Industry

Initiative of the Shatura locomotive engineers. Torf. prom. 29 No. 9, 1952

Monthly List of Russian Accessions, Library of Congress. December 1952. Unclassified.

ZATRAVKIN, V. A., GOSTEVA, V. V.

Locomotives

Initiative of the Shatura locomotive engineers. Torf. Prom. 29 No. 9, 1952

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

ZATREANU, G.

Contributions to the study of the incipient detonation in motor with spark ignition
for automobile trucks.

p. 57 (Academia Republicii Populare Romane. Institutul de Energetica. Studii Si
Cenetari De Energetica. Vol. 7, no. 1, 1957. Bucuresti, Rumania)

Monthly Index of East European Accessions (EEAJ) LC. Vol. 7, no. 2,
February 1958

SOUSKOVA, M.; ZATREPALEK, J.; VOTAVA, Z.

Automatic apparatus for studying defense conditioned reflexes
in rats. Cesk. fysiol. 13 no. 1:67-72 Ja'64.

1. Vyzkumny ustav pro farmacie a biochemii, Praha.

CZECHOSLOVAKIA/Human and Animal Physiology - (Normal and Pathological). Blood Circulation. Heart.

T

Abs Jour : Ref Zhur Biol., No 4, 1959, 17451

Author : Zatrepalek, J.

Inst :

Title : An Apparatus for Measuring and Registration of Pulse Frequency in All Species of Laboratory Animals.

Orig Pub : Ceskosl. fysiol., 1957, 6, No 4, 536-540

Abstract : No abstract.

Card 1/1

CZECHOSLOVAKIA/Human and Animal Physiology (Normal and Pathological) Respiration.

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26639

Author : Zatrepalek, J.

Inst :
Title : Registration of Respiration With a Thermoelement, Thermister and Tensometer of Resistance.

Orig Pub : Cechosl. fysiol., 1958, 7, No 2, 117-121

Abstract : No abstract.

Card 1/1

- 54 -

ZATREPANEK, J.

SCIENCE

ZATREPANEK, J. An instrument for measuring and registering the pulse frequencies of all kinds of laboratory animals. p. 536.

Vol. 6, no. 4, 1957.

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec. '58

ZATREPALEK, J.

"Electric measurements of blood pressure."

p. 211 (Sdelovaci Technika, Vol. 6, No. 6, June 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 9, September 1958.

KABELKA, M.; ZATREPALEK, C.J.

Fibrillation and electrical resuscitation of the heart; simple electrical defibrillator and stimulator. Cesk. pediat. 11 no.12: 900-905 Dec 56.

1. Klinika Pediatricke Chirurgie K.U. v Praze, prednosta doc.
Dr. V. Kafka.

(CARDIOLOGY, appar. & instruments
electrical defibrillator & stimulator (Cz))

ZATREPALEK, J. ; JANEBA, K.

"A few practical experiences." p. 255.

-mh-. "Artificial satellites and television." p. 256.

SDELOVACI TECHNIKA. (MINISTERSTVO STROJIRENSTVI). Praha, Czechoslovakia, Vol. 7,
no. 7, July, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.
Uncl.

ZATREPALEK, J.

Apparatus for the measurement of pulse frequency in all large laboratory animals. Cesk. fysiol. 6 no.4:536-540 Nov 57.

1. Vyzkumny ustav pro farmacie a biochemii, Praha.
(PULSE,
registration in large laboratory animals (Cz))

ZATREPALEK

Registration of respiration with a thermal unit, negative temperature coefficient or strain gauge. Cesk. fysiol. 7 no.2:117-121 Mar 58.

1. Vyzkumni ustav pro farmacii a biochemii, Praha.

(RESPIRATION, function tests,

registration with thermal unit, negative temperature coefficient & strain gauge (Cz))

ASLANOVA, G.D.; ZATRUTINA, R.F.; RUBINA, L.S.; SOKOLOVA, V.A.;
SILKIN, B.I., otv. red.; BEREZOVA, A.S., red.

[Bibliography of the literature in Russian published in
1961] Bibliograficheskii ukazatel' literatury na russkom
iazyke za 1961 g. Moskva, Izd-vo AN SSSR 1963. 146 p.
(MIRA 17:4)

1. Akademiya nauk SSSR. Mezhdunarovstvennyy komitet po pro-
vedeniyu Mezhdunarodnogo geofizicheskogo goda.

ZATRUTINA, R. F.

Akademiya Nauk SSSR. Mezhdunarovnyy Komitet Po Provedeniyu Mezhdunarodnogo Geofizicheskogo Goda.

International Geophysical Year Bibliography of Literature in the Russian Language for 1958. Compiled by R.F. Zatrutina and Z.M. Mikhaylova. Chief Editor, B.I. Silkin. Washington, NASA, 1960

75 p. (NASA Technical Translation F-12)

Translated from the Original Russian.

ZATHUTINA, R.F., bibliograf; RUBINA, L.S., bibliograf; SILKIN, B.I.,
otv.red.; BEREZOVA, A.S., red.; GUS'KOVA, O.M., tekhn.red.

[Bibliographic index of literature in the Russian language
for the year 1959] Bibliograficheskii ukazatel' literatury
na russkom iazyke za 1959 g. Moskva, Izd-vo Akad.nauk SSSR,
1960. 85 p. (MIRA 14:1)

1. Akademiya nauk SSSR. Mezhdunovestvennyy komitet po prove-
deniyu Mezhdunarodnogo geofizicheskogo goda.
(Bibliography--Geophysics)

ZATS, A. A.

Chemical Abst.
Vol 43 No. 5
Mar. 10, 1954
Electrochemistry

The electrolytic reduction of lepidine. I. The electrolytic reduction of lepidine in an acid medium. V. V. Levchenko and A. A. Zats (Moscow Inst. Stomatol. Med.). J. Gen. Chem. U.S.S.R. 22, 1301-2 (1952) (Engl. translation). See C.A. 47, 421i. H. L. H.

LEVCHENKO, V.V.; ZATS, A.A.

Electrolytic reduction of lepidine. II. Electrolytic reduction of lepidine
in alkaline medium. Zhur. Obshchey Khim. 22, 2071-6 '52. (MLRA 5:12)
(CA 47 no.18:9328 '53)

1. Moscow Med. Stomatol. Inst.

ZATS, A. A. AND LEVCHENKO, V. V.

USSR/Chemistry - Heterocyclic Compounds

Nov 52

"The Chemical Reduction of Lepidine," A. A. Zats and
V. V. Levchenko, Moscow Med Stomatological Inst.
"Zhur Obshch Khim" Vol 22, No 11, pp 2076-2078

Research showed that during the chem reduction of lepidine in an acid medium, in addition to tetrahydro lepidine a new crystalline product was formed which does not form during the reduction of lepidine by other methods. It was demonstrated that this new product represents a hitherto unknown isomer of the dimer of dihydro lepidine, different from the dimer or dihydro lepidine obtained during the electrolytic

238T46

reduction of lepidine in an acidic or alk medium. It was established that there is no difference in principle between the chem reduction of lepidine with an amalgam of potassium or sodium, and the electrolytic reduction of lepidine in an alk medium at a mercury cathode.

238T46

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Organic Chemistry

② Chem
3
Electrolytic reduction of lepidine. II. Electrolytic re-
duction of lepidine in alkaline medium. V. V. Levchenko
and A. A. Zate. J. Gen. Chem. U.S.S.R. 22, 2126-8
(1952) (Engl. translation).—See C.A. 47, 9328b.

H. J. H.

ZAT'S, A. A.

Dissertation: "Electrolytic Reduction of Lepidine." Cand Chem Sci, Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev, 4 May 54. Vechernaya Moskva, Moscow, 26 May 54.

SO: SUM 284, 26 Nov 1954

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATS, A.

N. DOGA, Spirto-Vodochnaya, Prom. 17, n. 10/11, 21-5, 1940

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

ACC-NR: AP6019560

(A)

EWP(u)/EWP(m)/EWP(h)/EWP(l)/EWP(v) IJP(c) RM

SOURCE CODE: UR/0416/66/000/001/0081/0082

AUTHOR: Zats, E. (Engineer; Lt. Col.)

ORG: none

TITLE: Electronic thermometer

SOURCE: Tyl i snabzh sov vooruzh sil, no. 1, 1966, 81-82

TOPIC TAGS: electronic circuit, thermometer, thermistor

35
13

ABSTRACT: For the remote-control measurement of products having toxic properties an electronic thermometer was developed which utilizes a thermistor with a resistance of 36 kohm at +20C as a sensing element. To avoid the shunting effect of the medium in which the temperature is measured, the ends of the thermistor are covered with several layers of vinylite tape or other material and the lead of the thermistor is covered with polyvinyl chloride insulation. A bridge of resistors and the thermistor are balanced at +20C. In this case the microammeter does not show a current. If the temperature of the sensing element changes, the balance of the bridge is upset since the resistance of the thermistor is changed and the microammeter shows a current proportional to the change of temperature of the medium into which the thermistor is immersed. The microammeter was calibrated for readings from +20C (zero current) to -5C (current of 50 μ A). The 1- μ A scale divisions correspond to 0.5C. The measurement range of this instrument is from +20C to -5C, its accuracy is \pm 0.5C, and current con-

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"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

L U/506-67

ACC NR: AP6019560

Gumption is ~0.3mA. The resistance of the leads to the sensing element should be less than 15—20 ohm to ensure the given accuracy of the measurements. The voltage of the power source is 11 V. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: none
13/

Card 212/mfa

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

ZATS, L. B.

ZATS, L. B. "Temporary short-sightedness caused by the internal introduction of disulfane", Vracheb. delo, 1948, No. 12, paragraphs 1069-70.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATS, L. B.

26662 Mestnaya penitsillingterapiya pri gnoynyu infektsiyakh glaznogo yabloka.
Oftalmol furnal; 1949, No. 3, s. 117-21

SO: LETOPIS' NO. 35, 1949

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

ZATS L. B.

151T59

USSR/Medicine - Ophthalmosurgery

Eyes, Injury to Sep/Oct 49

"Prognostic Significance of Some Light Projections in Ophthalmosurgery," L. B. Zats, Eye Clinic, Stalino Med Inst, 2 pp

"Vest Oftalmol" Vol XXVIII, No 5

Contrary to general opinion, data from seven cases of wounds and contusions causing blindness or cataract proved that defective light projection is not always an unfavorable indication for surgical intervention. Two cases of blindness from wounds supported the opposite assumption that normal light projection is not always a

USER/Medicine - Ophthalmosurgery Sep/Oct 49
(Contd)

favorable prognosis. Tests described may be insufficient. They require further study. DIR, Eye Clinic: Prof I. P. Kopp. Dir, Stalino Med Inst: Docent L. N. Kuz'menko.

151T59

ZATS, L. B.

ZATS, L. B.: "Explosion injuries to the eyes of mine workers." Second Moscow State Medical Institute I. V. Stalin. Stalino, 1956. (DISSERTATION FOR THE DEGREE OF DOCTOR IN MEDICAL SCIENCE).

Knizhnaya letopis',
No. 25, 1956. Moscow.

ZATS, L.B., kandidat meditsinskikh nauk

Bactericidal properties of coal which causes eye injuries in blast accidents in miners. Oft.zhur. 11 no.1:4-8 '56. (MIRA 9:9)

1. Iz kafedry glaznykh bolezney (zav.-prof. I.F.Kopp) i kafedry mikrobiologii (zav.-dotsent L.F.Kolomeytsev) Stalinskogo meditsinskogo instituta.

(EYE--WOUNDS AND INJURIES) (COAL)
(COAL MINES AND MINING--ACCIDENTS)

KOPP, I.P., professor.; ZATS, L.B., assistant.

Treatment of glaucoma in dispensaries in cities and districts of
Stalino Province. Vest. oft. 69 no.1:8-16 Ja-F '56. (MIRA 9:5)

1. Iz kafedry glaznykh bolezney Stalinskogo meditsinskogo
instituta.
(GLAUCOMA, ther.
management in dispensaries in Russia)

ZATS, L. B.
KOPP, I. F., professor; ZATS, L.B., kandidat meditsinskikh nauk

Indications for the choice of operative procedure in secondary
glaucoma. Oft.zhur. 12 no.4:199-204 '57. (MIRA 10:11)

1. Iz kafedry glaznykh bolezney Stalinskogo meditsinskogo instituta
(EYE-SURGERY) (GLAUCOMA)

ZATS, L.E., doktor med.nauk; DRUZHININ, I.D., assistent; STRNGOVSKAYA, N.V., assistent; OZHIGAR, I.V., laborant

Evaluation of the reaction of the agglutination of virus-coated bacteria (AVB reaction) in the laboratory diagnosis of trachoma.
Oft.zhur. 15 no.7:413-417 '60. (MIRA 13:11)

1. Iz kafedry glaznykh bolezney i kafedry mikrobiologii Stalinskogo meditsinskogo instituta imeni A.M.Gor'kogo.
(AGGLUTINATION)
(CONJUNCTIVITIS, GRANULAR)

ZAT3, L.B., prof. (Donetsk)

Effectiveness of prophylactic measures for industrial traumatism
of the eyes. Oft. zhur. 12 no.3:166-174 '63. (MIRA 174)

ZATS, L.B., prof.

Experience in organizing active detection of glaucoma among
the population of Donets Province. Vest. oft. 76 no.1:31-33
Ja-F'63. (MIRA 16:6)

1. Kafedra glaznykh bolezney Donetskogo meditsinskogo insti-
tuta.
(DONETS PROVINCE--GLAUCOMA)

ZATS, L.B., prof.; DUGEL'NYY, G.A., kand.med.nauk

Histochemical study of carbohydrate metabolism in the regeneration of corneal wounds using different methods of treatment.
Oft.zhur. 17 no.7:432-437 '62. (MIRA 16:3)

1. Iz glaznoy kliniki Donetskogo meditsinskogo instituta.
(CORNEA—WOUNDS AND INJURIES) (CARBOHYDRATE METABOLISM)

ZATS, L.B., doktor meditsinskikh nauk

Career of Professor Issidor Filippovich Kopp; on his 60th birthday;
Oft. zhur. 13 no.5:302 '58 (MIRA 11:10)
(KOPP, ISSIDOR FILIPPOVICH, 1898)

ZATS, R. M.

42670. BIRGER, O. G. i ZATS, R. M. Sul'Famideoustoychivyye Varianty Dizenteriynykh Mikrobov. Byulleten' Eksperim. Biologii i Meditsiny. 1948, No 12, s. 44-46

SO; Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

ZATS, V.I.

Exhibition of new oceanographic instruments. Priroda 54
no.3;113-114 Mr '65. (MIRA 18:4)

1. Institut biologii yuzhnykh morey im. A.O. Kovalevskogo
AN UkrSSR, Sevastopol'.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATS, V.I.

Characteristics of the regime of waves in the Yalta region.
Sbor. rab. GMO CHAM no.1:77-103 '62. (MIRA 17:5)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

ZATS, V.I. (Yalta)

Storm waves off the southern coast of the Crimea. Priroda 51
no.12:88-90 D '62. (MIRA 15:12)
(Black Sea—Waves)

ZATS, V.I.

Some characteristics of the roses of the sea wave energy on
the southern coast of the Crimea. Okeanologija 3 no.4:626-
632 '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova,
kafedra okeanologii.

KOVALENKO, V.S., inzh.; ZAITSEV, Ye.L., inzh.

Corrosion resistance of low-carbon mircronium steels in acid
and basic media. Meashinostroenie no.6854-55 N-D '64
(MJRA 18s2)

BRAUN, M.P.; KOVALENKO, V.S.; ZATS, Ye.L.

Effect of zirconium on kinetics of carbide coalescence in prolonged isothermal heating of carbon steel. Izv. vys. ucheb. zav.; chern. met. 7 no.12:122 '64 (MIRA 18sl)

I. Institut liteynogo proizvodstva AN UkrSSR i Donetskiy nauchno-issledovatel'skiy institut chernoy metallurgii.

ACCESSION NR: AP4030666

S/0129/64/000/004/0030/0031

AUTHOR: Kovalenko, V. S.; Zato, Ye. L.

TITLE: Effect of zirconium on the corrosion resistance of steel.

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 4, 1964, 30-31

TOPIC TAGS: corrosion resistance, carbon steel, zirconium, zirconium containing steel, anodic passivation, corrosion, microcathode formation

ABSTRACT: The corrosion resistance in water of carbon steels containing 0.16-0.22% C and 0.03-0.05, 0.07-0.16 and 0.20-0.42% zirconium was examined. Up to 0.05% Zr had essentially no effect, but increasing the Zr content from 0.05 to 0.12% greatly reduced the corrosion. The corrosion rate remained constant with additions of Zr in excess of 0.12%. The absolute value for the corrosion resistance of 0.42% Zr-containing steel was about two times that of the 0.03-0.7% Zr-containing steels; the weight loss was stabilized faster, i.e., the anodic passivation was more rapid in the steel containing higher amount of Zr. The effect of Zr on the cathodic process was expressed in the formation of a greater number of microcathodes which did not affect the corrosion rate. Orig. art. has: 2 figures.

Card 1/2

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ACCESSION NR: AP4030666

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF Sov: 000

OTHER: 001

Card 1 2/2

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

OZHIGOV, Ye.P.; ZATSARIN, A.I.

Volatility and pyrohydrolysis of lithium fluoride. Soob. DVFAK
SSSR no. 15:31-36 '62. (MIRA 17:9)

I. Dal'nevostochnyy filial imeni Komarova Sibirskogo otdeleniya
AN SSSR.

ZATSIKIN, A.I.; OZHIGOV, Ye.P.

Studying the volatility of potassium fluoride. Soob. DVFAN SSSR
no. 12:43-47 '60. (MIRA 13:11)

1. Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo otdeleniya
AN SSSR.
(Potassium fluoride)

S/767/61/000/005/002/003
I001/I242

AUTHORS: Ozhigov, Ye.P. and Zatsarin, A.I.

TITLE: The volatility of beryllium fluoride. Behavior of Beryllium fluorido heated in a current of nitrogen, oxygen, water-vapor and air. Communication I

SOURCE: Akademiya nauk SSSR. Dal'nevostochnyy filial. Trudy. Seriya khimicheskaya. no.5. Moscow, 1961. Sbornik rabot po obshchey khimii i kompleksnomu izucheniyu khimicheskogo syr'ya Dal'nego Vostoka. 24-34

TEXT: The object of this work was a gravimetric investigation of the velocity of evaporation of beryllium fluoride at different temperatures by continuous determination of weight losses of the salt. After sublimation of beryllium oxyfluoride small blisters were discovered in the platinum crucible, and the platinum wire became brittle. Thus a more electronegative element (F) was displaced by a lesser one (O). Evaporation of beryllium fluoride heated in a current of nitrogen occurs at about 900°C. Maximum losses in weight

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S/767/61/000/005/002/003
I001/I242

The volatility of beryllium...

take place at 1100-1200°C, in agreement with the theoretical boiling point of 1159°C for beryllium fluoride. Beryllium fluoride heated in oxygen is apparently oxidized to $5\text{BeF}_2 \cdot 2\text{BeO}$. Beryllium fluoride heated in water vapor hydrolyzes completely, with the formation of beryllium oxide and hydrogen fluoride. Pyrohydrolysis starts at 420°C, with maximum rate at 800-1000°C. Beryllium fluoride heated in air can be hydrolyzed, as well as vaporized. The extent of these reactions depends on the temperature and humidity of air. There are 6 figures and 6 tables.

Card 2/2

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATSARINNYY, N., podpolkovnik

Shooting in an inhabited locality. Voen. vest. 43 no.9:104-
106 S '63. (MIRA 16:10)

(Shooting, Military)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

OZHIGOV, Ye.P.; ZATSARIN, A.I.

Behavior of silver fluoride when heated in a current of nitrogen and
water vapors. Soob. IIVFAN SSSR no.18:47-52 '63. (MIRA 17:11)

1. Dal'nevostochnyy filial imeni Komarova Sibirskskogo otdeleniya
AN SSSR.

ZATGARINNY, V.V., Cand ~~Vet Sci~~—(diss) "Effect of ~~cotton~~ huck ^{for} to the gastric secretory function, state of health, and work capacity of horses." Alma-Ata, 1958. 16 pp (Min of Agr USSR. Alma-Ata ZooVet Inst), 100 copies
(KL,26-58,114)

-119-

ZATSARINYY, V.V., vet.vrach

Effect of cotton husks on the secretory function of the stomach, the health and working capacity of horses. Trudy AZVI 10:252-273 '57. (MIRA 12:8)

1. Iz kafedry chastnoy patologii i terapii (zav.kafedroy - chlen-korrespondent AN KazSSR, zasluzhennyy deyatel' nauki KazSSR, doktor prof. Ya.I.Kleynbok) Alma-Atinskogo zoovet-instituta.
(Horses--Physiology) (Cotton seed products as feeding stuff)

ZATSEMINA, N.D.; MIZINA, A.V.; VOINOVA, T.I. (Cand. of Med. Sci.)

"Therapeutic Action of Terramycin in Cases of Trachoma,"

p. 385 Ministry of Health USSR Proceedings of the Second All-Union Conference on Antibiotics, 31 May - 9 June 1957. p. 409, Moscow, Nedgiz, 1957.

ZATSEPOVA, T. I.

Report, Presented at the 1st All-Union Congress of Theoretical and Applied Mechanics,
Moscow, 27 Jun - 3 Jul '60.

- 1. A. S. Al'tshuler, A. V. Kostylev, Yu. A. Smirnov (theory, density, properties of various materials and their fields in fields of varying field intensities).
- 2. A. S. Al'tshuler, V. M. Antoshkin, A. N. Gulyaev (theory, mechanics, theory of wave propagation in various media and viscoelastic media).
- 3. A. S. Al'tshuler (general): Theory of cylindrical shells.
- 4. A. S. Al'tshuler (general): Some relations between the theory of cylindrical shells and differential problems in the theory of plates.
- 5. A. S. Al'tshuler (general): Experimental investigation of the characteristics of Anisotropic plates produced by methods of photolithography.
- 6. V. M. Antoshkin, D. N. Slobodan (theoretical): Some initial problems in elasticity.
- 7. Yu. A. Smirnov (general): Theoretical, mathematical, physical, and technical problems here under transient waves.
- 8. A. S. Al'tshuler (general): Theoretical, metric or optical formulas.
- 9. A. S. Al'tshuler (general): Asymptotic method of analysis of shells.
- 10. A. S. Al'tshuler (general): On the theory of selected initial and boundary value problems.
- 11. A. S. Al'tshuler (general): In the problem of cylindrical shells, some problems of the theory of anisotropic homogeneous shells.
- 12. A. S. Al'tshuler (general): Stability analysis of a system of differential equations under initial conditions.
- 13. A. S. Al'tshuler (general): The theory of cylindrical shells in theory of plates.
- 14. A. S. Al'tshuler (general): The theory of cylindrical shells in theory of plates.
- 15. A. S. Al'tshuler (general): The theory of cylindrical shells in theory of plates.
- 16. A. S. Al'tshuler (general): The theory of cylindrical shells in theory of plates.
- 17. A. S. Al'tshuler (general): Symmetric design of structures which are not effective.
- 18. A. S. Al'tshuler (general): Temperature distribution in cylindrical shells and wave energy estimation.
- 19. A. S. Al'tshuler (general): On the problem of cylindrical shells.
- 20. A. S. Al'tshuler (general): On the problem of cylindrical shells.
- 21. A. S. Al'tshuler (general): On the theory of the state's strain and displacement characteristics in applications.
- 22. A. S. Al'tshuler (general): The role of cylindrical shells in the theory of plates.
- 23. A. S. Al'tshuler (general): Some applications of the theory of cylindrical shells.
- 24. A. S. Al'tshuler (general): Mathematical methods.
- 25. A. S. Al'tshuler (general): The theory of cylindrical shells.
- 26. A. S. Al'tshuler (general): On the problem of cylindrical shells.
- 27. A. S. Al'tshuler (general): On the theory of cylindrical shells.
- 28. A. S. Al'tshuler (general): Period of time transformation in the theory of cylindrical shells.
- 29. A. S. Al'tshuler (general): Mathematical methods.
- 30. A. S. Al'tshuler (general): The theory of cylindrical shells.
- 31. A. S. Al'tshuler (general): Mathematical methods.
- 32. A. S. Al'tshuler (general): Strength and damage under cyclic loads.
- 33. A. S. Al'tshuler (general): The structural theory of shells.
- 34. A. S. Al'tshuler (general): Design of structures.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATSEPA, A. A.

Sectional cup-shaped cutting tools. Stan.1 instr. 29 no.12:37
(MIRA 11:12)
D 158.
(Metal-cutting tools)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATSEPA, A.A.

Holder for planer tools. Stan. i instr.26 no.10:35 0'55.
(MIRA 9:1)

(Planing machines) (Cutting tools)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATSEPA, A.A.

Chucks for the mechanical fastening of powdered metal tipped tools.
Stan, 1 instr. 25 no. 9:32 S '54. (MLRA 7:11)
(Chucks)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

ZATSEPA, A. A.

Device for straightening grinding wheels on two-way grinders.
Stan. i instr. 33 no.10:41 0 '62. (MIRA 15:10)

(Grinding wheels)

Card # : 11111111111111111111111111111111

Author(s) : Zatsepa, A. R.

Title : "Letters to the editor" in "Contemporary Soviet Law"

Periodical : "Contemporary Soviet Law", Vol. 1 No. 1, 1991

Attn to : [unclear]

----- * ***

Submitted : ...

SOV/96-60-2-3/24

AUTHORS: Deych, M. Ye., Doctor of Technical Sciences, Zaryankin, A. Ye., Candidate of Technical Sciences, Filippov, G.A., and Zatsepin, M. F., Engineers

TITLE: Methods of Increasing the Efficiency of Turbine Stages with Short Blades

PERIODICAL: Teploenergetika, 1960, Nr 2, pp 18-24 (USSR)

ABSTRACT: The efficiency of the high-pressure parts of large turbines having fixed and runner blades of improved profiles and provided with good internal glands and seals reaches 78 to 80%. Further improvements in profiling are not likely to give much better efficiency, as modern blades already have very low profile-losses. However, the efficiency of intermediate high-pressure stages can be appreciably increased by special profiling of the fixed blades in the meridional plane and by using runner blades with diffuser channels. Meridional profiling is now being developed to give stages of constant reaction. In high-pressure stages this problem is best solved by trying to reduce the end losses. In order to reduce the end losses in fixed blades, it is necessary to reduce the velocity on sections of maximum

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SOV/96-60-2-3/24

Methods of Increasing the Efficiency of Turbine Stages with Short Blades

channel curvature where secondary flows are most marked. This ensures turbulent flow and so reduces the thickness of boundary layers on the backs of the blading and on the upper and lower walls of the channel. This is accomplished by profiling the channels along their height (profiling in the meridional plane). The profiling may be symmetrical with straight or curved faces, or asymmetrical with straight or curved generating lines. Asymmetrical profiling makes it possible both to reduce the end losses and to reduce the radial pressure gradient. The present article gives test results on blading with asymmetrical profiling over the height, both with the blades mounted in straight rows and on rotors. Fig 1 gives graphs of the loss distribution over the height of a straight row of blades with different shapes of the upper rim. It will be seen that the best results are obtained with asymmetrical profiling beyond the position where the curvature of the channel is greatest. The reduction in fixed-blade losses by the use of

Card 2/6 asymmetrical profiling is explained by reference to the

SOV/96-60-2-3/24

Methods of Increasing the Efficiency of Turbine Stages with Short Blades

graph of pressure distribution across the profile given in Fig 2. It is also pointed out that in the blading with asymmetrical profiling the point of minimum pressure is displaced somewhat in the direction of flow. Hence the length of the turbulent section and the pressure gradients in it are somewhat reduced. This has the effect of reducing the profile losses. The loss-coefficient curves plotted in Fig 3 clearly show the advantages of blades with asymmetrical profiling over the height, particularly for short blading. The effect of this special profiling is greater when the blades are mounted on a rotor because the losses at the blade roots are particularly reduced, thereby helping to equalise the velocity distribution. The best shape of profiling is then considered. Graphs of loss reduction as a function of profiling compression, plotted in Fig 4, indicate that the optimum amount of compression depends on the blade length. The shape of the compression curve may be based on calculation of the flow potential in the channel. A diagram of a profiled channel with three

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Methods of Increasing the Efficiency of Turbine Stages with Short Blades

different degrees of compression is given in Fig 5, and calculated and experimental velocity distributions over a straight arrangement of blading caps TS-2A is given in Fig 6. It will be seen that agreement between theory and experiment is good. Tests on intermediate-stage fixed blades with diffuser inlets showed that under static conditions their use does not influence the effect of asymmetrical profiling over the height. Test results are plotted in Fig 7 and it is considered that the use of fixed blades with a complicated shape of outer rim increases the efficiency of intermediate stages with short blades. Further information about the use of fixed blades with asymmetrical profiling was obtained by testing groups of stages in the experimental steam turbine of the Moscow Power Institute. All stages have the same mean diameter of 400 mm; the other dimensions are tabulated. Tests were made on six stages of various blade lengths. Some were made with fixed blades profiled over the height and some with unprofiled blades. All the diaphragms were welded.

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SOV/96-E0-2-3/24

Methods of Increasing the Efficiency of Turbine Stages with Short Blades

The tests covered a fairly wide range of velocity ratio and heat drop. The results, plotted in Fig 8, indicate that at optimum velocity ratio the stage with profiled blades has 2% higher efficiency with a blade length of 25 mm, and 3% higher with a length of 15 mm. The relative increase in efficiency by the use of asymmetrical profiling is 2.5% and 3.7 to 4% respectively. Asymmetrically-profiled blades continue to offer advantages when operation is not at the designed conditions, as is explained by reference to other curves on Fig 8. Important results were obtained on measuring the reaction in the blade root and tip sections. The use of asymmetrical profiling reduces the variations in static pressure distribution over the pitch in the sections. As will be seen from the graphs plotted in Fig 9 there was also a marked reduction in the difference between the reactions at the root and tip. The value of the outlet area of the guide vanes may be calculated from formula (1). An approximate method is given for calculating the asymmetrical profiling, using

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SOV/96-60-2-3/24

Methods of Increasing the Efficiency of Turbine Stages with Short Blades

Eq (2). It is concluded that asymmetrical profiling of the fixed blades across the height helps to give stages with constant reaction over the radius. In stages with very short blading any profiling of the channels over the height undertaken to reduce the difference in reaction should also be designed to reduce the end losses. The method of asymmetrical profiling that is proposed in this article solves these two problems. There are 9 figures, 1 table and 4 Soviet references.

✓

ASSOCIATION: Moskovskiy energeticheskiy inatitut (Moscow Power Institute)

Card 6/6

ZATSEPA, N., polkovnik, zasluzhenny shturman-ispytatel' SSSR

Piloting airplanes at supersonic speeds. Av.1 kosm. 44 no.2:52-54
'62. (MIRA 15:3)

(Airplanes—Piloting)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATSEPIN, N. N.

Ferromagnetic probe detection of fine surface cracks in steel
rods and pipes. Zav. lab. 28 no. 12:1465-1466 '62.
(MIRA 16:1)

(Steel bars) (Pipe, Steel)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

AID P - 4748

Subject : USSR/Aeronautics - bombing

Card 1/1 Pub. 135 - 6/31

Author : Zatsepa, N. S., Lt. Col., Navigator Class I

Title : Bombing targets under poor visibility conditions

Periodical : Vest. vozd. flota, 8, 24-28, Ag 1956

Abstract : The author describes by several specific examples the procedure of target finding and bombing by the combined use of radar and optical bombsight. Four diagrams. The article merits attention.

Institution : None

Submitted : No date

AID P - 5329

Subject : USSR/Aeronautics - air navigation

Card 1/1 Pub. 135 - 8/24

Author : Zatsepa, N. S., Lt. Col., mil. navigator class I

Title : The use of air position indicator in flight

Periodical : Vest. vozd. flota, 12, 38-45, D 1956

Abstract : The use of the air position indicator in air navigation, bombing, and in determining the wind at flight altitude is discussed by the author. One photo, 5 diagrams, 2 tables. The article merits attention.

Institution : None

Submitted : No date

ZATSEPA, N.S., voyenny shтурман pervogo klassa, podpolkovnik.

Particular aspects of bombing at low altitudes. Vest. Vozd. Fl.
(MIRA 10:9)
39 no. 4:37-42 Ap '57. (Bombing, Aerial)

ZATSEPA, N.S.

86-58-3-14/37

AUTHOR: Zatsepa, N.S. Col, Filippov, A.I., Maj, and Chuvikov, B.S.,
Capt

TITLE: Bombing from Low Altitudes (Bombometaniye s maloy vysoty)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 3, pp 35-41. (USSR)

ABSTRACT: The article deals with low-altitude bombing and consists of the following two parts: 1. "Approaching the Target" by N.S. Zatsepa and 2. "Release of Bombs" by A.I. Filippov and B.S. Chuvikov. In the first part the authors, on the basis of the experience gained during low-altitude bombing missions under various weather conditions, deal mostly with the special features of air navigation at low altitudes. The second part deals with low-altitude bombing. The authors state that before the crews are permitted to do actual low-altitude bombing, they must carry out some preliminary practice. First, the crews begin with low-altitude flights in the bombing-range area in order to become familiar with the relief and visibility of targets. According to the authors, the targets on their bombing

Card 1/2

Bombing from Low Altitudes (Cont.)

86-58-3-14/37

range are built of vertical panels, 2.5 - 3 m high, in the form of fences. Second, the crews practice photo-bombing. When starting actual low-altitude bombing, the authors recommend that the crews should determine in time the necessary aiming data. This should be done at a distance not greater than 50 km from the target on a course parallel to the bomb-run course. The authors also mention briefly some special features in the operation of the optical bombsight at low altitudes.

AVAILABLE: Library of Congress

Card 2/2

SOV/86-58-9-17/42

AUTHOR: Zatsepa, N. S., Navigator First Class

TITLE: A Long-Distance Flight Under Complex Conditions
(Dal'niy polet v slozhnykh usloviyakh)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 9, pp 30-36 (USSR)

ABSTRACT: Proceeding from the professional standpoint of a navigator, the author describes a long-distance flight of a "TU-114D" aircraft. The flight was made in July 1958. The aircraft covered a distance of 34,400 km in 48.5 flying hours. The first leg of the route was flown via the Arctic to the Far East; the second leg--over the Sea of Okhotsk to Lake Baikal; the third leg--over the deserts of Central Asia, the Central Asian Soviet Union Republics, and over the Arctic; the fourth leg--over the rest of the capitals of the Soviet Union Republics. The author also describes the preparations for the flight, the plotting of the flight route, and air navigation during the flight.

Card 1/1

ZATSEPA, N.S., polkovnik, zasluzhenny shturman-ispytatel' SSSR.

Use of check points in making a landing. Vest. Vozd. Fl.
no. 8:60-65 Ag '60. (MIRA 13:9)
(Airplanes—Landing)

ANISIMOV, N.M.; AREF'YEV, V.A.; VINSHTEYN, E.S.; ZATSEPELIN, V.G.

Pneumatic mixing of raw mixes. TSement 26 no.5:19-22 S-0 '60.
(MIRA 13:10)
(Krivoy Rog--Cement plants) (Mixing machinery)

PANASHCHENKO, I.P., dots.; CHUNTULOV, V.T., dots.; POGREBINSKIY, A.P., prof.; SPATAR, N.G., dots.; LAUTA, S.P., dots.; USTINOV, L.A., dots.; KRIVEN', P.V., prof.; FILIPPOV, V.I., dots.; GOLUBEV, V.A. , kand. ekon. nauk; DZYUBKO, I.S., dots.; GRIGOR'YEV, A.N., dots.; ZATSEPIN, V.G., dots.; TERESHCHENKO, V.F.; LOYBERG, M.Ya., kand. ist. nauk ; ORLIK, Ye.L., red.; KHOKHANOVSKAYA, T.I., tekhn. red.

[Economic history of foreign countries]Ekonomicheskaya istoriya zarubezhnykh stran; kurs lektsii. Kiev, Izd-vo Kievskogo univ. Pt.2.[From the 1870's to the present time]Ot 70-kh godov XIX v. do nastoiashchego vremeni. 1961. 387 p. . (MIRA 15:11)
1. Prepodavateli kafedr politicheskoy ekonomii i istorii narodnogo khozyaystva Kiyevskogo instituta narodnogo khozyaystva (for all except Orlik, Khokhanovskaya).

(Economic history)

SAVCHENKO, Sergey Grigor'yevich; ZATSEPIN, V.G.[Zatsepilin, V.H.],
kand. ekonom. náuk, dota., otv. red.; SKRIPNIK, V.T.,
[Skrypnyk, V.T.], red.; MATVIICHUK, O.A., tekhn. red.

[Man is the most important productive force of human society]
Liudyna - holovna produktyvna syla suspil'stva. Kyiv, Tova-
rystvo dlia poshyrennia polit. i naukovykh znan' URSR, 1962.
43 p. (MIRA 15:11)

(Economics) (Work)

ZATSEPIN, A. I.

The TSShVP-180/6 explosion-proof transformer substation. Biul.
tekhn.-ekon.inform. no.8;34-36 '60. (MIRA 13:9)
(Electric transformers)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATSEPIN, A.I., inzh.; GERASIMOVA, L.S.; inzh.

The OFeR-2800/25 power transformers, Energ. i elektrotekh. prom. no. 1:
19 Ja-Mr '65.
(MIA 18:5)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

ZATSEPIN, A.I.

The KPNL201-36A2T complete converter unit. Biul. tekhn.-ekon.
inform. no. 2:42-43 '61. (MIRA 14:2)
(Electric current converters)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATSEPIN, A.I.

Improved tumbling drum. Mashinostroitel' no.6:21 Je '61.
(MIRA 14:6)

(Metals-Finishing)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5

ZATSEPIN, A.I.

Modernizing electric-crane couplings. Mashinostroitel' no.3:16 Mr '61.
(MIRA 14:3)

(Couplings--Technological innovations)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963920006-5"